

[Name of the Document] Abstract

[Abstract]

[Object] In a phosphor whose host crystal is formed of an oxide, oxygen atoms are easily removed from the host crystal by firing in reducing atmosphere, and oxygen deficiencies in the phosphor increase.

[Means to Solve the Problems] The process of weighing, mixing and loading of phosphor powder is followed by at last one time of reducing atmosphere firing process, final reducing atmosphere process and subsequent oxidizing atmosphere firing process. Firing temperature in oxidizing atmosphere process is in a temperature range of 600°C to 1000°C.

[Selected Drawing] Fig. 1